

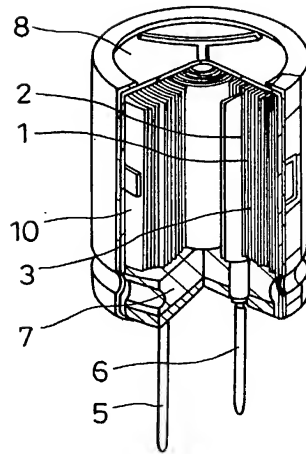
FIG. 1

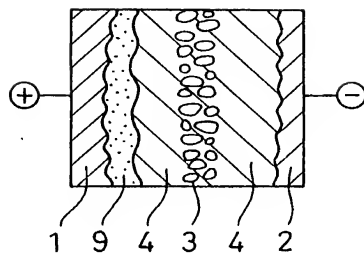
FIG. 2

FIG. 3

	separator				melting or softening point of fiber (°C)	capacitance (μ F, 120Hz)	leak current (μ A)	number of short circuits	impedance ($m\Omega$ 300kHz)	
	thickness (μ m)	areal weight (g/m^2)	density (g/cm^3)	tensile strength (N/15mm)					before reflow	after reflow
Embodiment 1	40	25	0.63	17.6	260, 240	221	≤ 1	0	15	17
Embodiment 2	40	25	0.63	17.6	260, 240	222	≤ 1	0	11	13
Embodiment 3	40	25	0.63	17.6	260, 240	220	≤ 1	0	15	19
Embodiment 4	40	25	0.63	17.6	260, 240	221	≤ 1	0	15	17
Embodiment 5	50	20	0.40	15.6	260, 240	219	≤ 1	0	14	16
Embodiment 6	50	16	0.32	14.7	240, 170	220	≤ 1	0	14	16
Embodiment 7	40	25	0.63	17.6	260, 240	222	≤ 1	0	8	8
Ref. Example 1	210	60	0.29	5.9	730	-	-	-	-	-
A lot of disadvantages in working environment. Difficult to roll condenser element due to poor strength of fiber. Manufactured condenser product thicker than prescribed.										
Ref. Example 2	50	25	0.50	6.9	260	191	48	5	15	22
Ref. Example 3	50	25	0.50	22.6	-	181	55	11	31	42
Ref. Example 4	50	25	0.50	11.8	170	175	53	6	40	80